

Table ENG-2. - Construction Materials

Roanoke County and the Cities of Roanoke and Salem, Virginia

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 0.99. The smaller the value, the greater the limitation.

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
1A:							
Alderflats	90	Fair		Poor		Poor	
		Too clayey	0.08	Depth to saturated	0.00	Depth to saturated	0.00
		Too acid	0.84	zone		zone	
		Low content of organic matter	0.88	Low strength	0.00	Too Clayey	0.06
				Shrink-swell	0.95		
2B:							
Allegheny	75	Fair		Good		Fair	
		Too acid	0.12	No shrink-swell	>0.99	Too acid	0.60
		Low content of organic matter	0.13	limitation			
2C:							
Allegheny	85	Fair		Good		Fair	
		Too acid	0.12	No shrink-swell	>0.99	Too acid	0.60
		Low content of organic matter	0.13	limitation		Slope	0.63
3C3:							
Chilhowie	75	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Low strength	0.00	Slope	0.63
		Droughty	0.15	Shrink-swell	0.22	Depth to bedrock	0.84
3D3:							
Chilhowie	80	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Low strength	0.00	Too Clayey	0.00
		Droughty	0.15	Shrink-swell	0.22	Depth to bedrock	0.84
3E3:							
Chilhowie	70	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.00	Too Clayey	0.00
		Droughty	0.15	Low strength	0.00	Depth to bedrock	0.84
4E:							
Chilhowie	85	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.00	Too Clayey	0.00
		Droughty	0.15	Low strength	0.00	Depth to bedrock	0.84

Table ENG-2. - Construction Materials - Continued

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Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
5C:							
Chiswell	45	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Rock fragments	0.00
		Depth to bedrock	0.00			Depth to bedrock	0.00
		Low content of organic matter	0.13			Slope	0.63
Litz	30	Fair		Poor		Poor	
		Droughty	0.02	Depth to bedrock	0.00	Rock fragments	0.00
		Low content of organic matter	0.13			Depth to bedrock	0.54
		Too acid	0.50			Slope	0.63
5D:							
Chiswell	45	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Slope	0.50	Rock fragments	0.00
		Low content of organic matter	0.13			Depth to bedrock	0.00
Litz	30	Fair		Poor		Poor	
		Droughty	0.02	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.50	Rock fragments	0.00
		Too acid	0.50			Depth to bedrock	0.54
5E:							
Chiswell	45	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Slope	0.00	Rock fragments	0.00
		Low content of organic matter	0.13			Depth to bedrock	0.00
Litz	25	Fair		Poor		Poor	
		Droughty	0.02	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.00	Rock fragments	0.00
		Too acid	0.50			Depth to bedrock	0.54
6C:							
Chiswell	35	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Rock fragments	0.00
		Depth to bedrock	0.00			Depth to bedrock	0.00
		Low content of organic matter	0.13			Too acid	0.76
Litz	25	Fair		Poor		Poor	
		Droughty	0.02	Depth to bedrock	0.00	Rock fragments	0.00
		Low content of organic matter	0.13			Depth to bedrock	0.54
		Too acid	0.50			Too acid	0.88

Table ENG-2. - Construction Materials - Continued

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Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
6C:							
Urban land	20	Not Rated		Not Rated		Not Rated	
6D:							
Chiswell	35	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Slope	0.00	Rock fragments	0.00
		Low content of organic matter	0.13			Depth to bedrock	0.00
Litz	25	Fair		Poor		Poor	
		Droughty	0.02	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.00	Rock fragments	0.00
		Too acid	0.50			Depth to bedrock	0.54
Urban land	20	Not Rated		Not Rated		Not Rated	
7A:							
Clubcaf	75	Fair		Poor		Poor	
		Water erosion	0.99	Depth to saturated zone	0.00	Depth to saturated zone	0.00
				Low strength	0.22		
				Shrink-swell	0.99		
8A:							
Combs	75	Good		Good		Good	
Clubcaf	5	Not Rated		Not Rated		Not Rated	
9B:							
Cotaco	75	Fair		Fair		Poor	
		Too acid	0.12	Depth to saturated zone	0.53	Hard to reclaim	0.00
		Low content of organic matter	0.88			Depth to saturated zone	0.53
		Water erosion	0.99			Too acid	0.60
Purdy	3	Not Rated		Not Rated		Not Rated	
9C:							
Cotaco	80	Fair		Fair		Poor	
		Too acid	0.12	Depth to saturated zone	0.53	Hard to reclaim	0.00
		Low content of organic matter	0.88			Depth to saturated zone	0.53
		Water erosion	0.99			Too acid	0.60
Purdy	3	Not Rated		Not Rated		Not Rated	
10D:							

Table ENG-2. - Construction Materials - Continued

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		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
10D:							
Dekalb	80	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.00	Rock fragments	0.00
		Too acid	0.50			Depth to bedrock	0.54
11C:							
Dekalb	80	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Rock fragments	0.00
		Low content of organic matter	0.13			Depth to bedrock	0.54
		Too acid	0.50			Too acid	0.60
11D:							
Dekalb	80	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.00	Rock fragments	0.00
		Too acid	0.50			Depth to bedrock	0.54
11E:							
Dekalb	80	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.00	Rock fragments	0.00
		Too acid	0.50			Depth to bedrock	0.54
11F:							
Dekalb	75	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.00	Rock fragments	0.00
		Too acid	0.50			Depth to bedrock	0.54
12F:							
Dekalb	55	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.00	Rock fragments	0.00
		Too acid	0.50			Depth to bedrock	0.54
Rock outcrop	20	Not Rated		Not Rated		Not Rated	
13A:							
Derroc	75	Fair		Poor		Poor	
		Cobble content	0.02	Cobble content	0.00	Hard to reclaim	0.00
		Low content of organic matter	0.13			Rock fragments	0.00
		Droughty	0.68				

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		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
13A: Clubcaf	3	Not Rated		Not Rated		Not Rated	
14: Dumps	85	Not Rated		Not Rated		Not Rated	
15C: Edgemont	75	Fair		Poor		Fair	
		Low content of organic matter	0.13	Low strength	0.00	Too acid	0.60
		Too acid	0.50	No shrink-swell limitation	>0.99	Slope	0.63
		Droughty	>0.99			Rock fragments	0.96
15D: Edgemont	80	Fair		Poor		Poor	
		Low content of organic matter	0.13	Slope	0.00	Slope	0.00
		Too acid	0.50	Low strength	0.00	Too acid	0.60
		Droughty	>0.99	No shrink-swell limitation	>0.99	Rock fragments	0.96
15E: Edgemont	80	Fair		Poor		Poor	
		Low content of organic matter	0.13	Slope	0.00	Slope	0.00
		Too acid	0.50	Low strength	0.00	Too acid	0.60
		Droughty	>0.99	No shrink-swell limitation	>0.99	Rock fragments	0.96
16B: Edneyville	80	Fair		Good		Fair	
		Low content of organic matter	0.02			Too acid	0.98
		Too acid	0.54				
16C: Edneyville	80	Fair		Good		Fair	
		Low content of organic matter	0.02			Slope	0.63
		Too acid	0.54			Too acid	0.98
16D: Edneyville	80	Fair		Fair		Poor	
		Low content of organic matter	0.02	Slope	0.50	Slope	0.00
		Too acid	0.54			Too acid	0.98
16E: Edneyville	80	Fair		Poor		Poor	
		Low content of organic matter	0.02	Slope	0.00	Slope	0.00
		Too acid	0.54			Too acid	0.98
17C:							

Table ENG-2. - Construction Materials - Continued

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		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
17C:							
Evard	75	Fair		Good		Fair	
		Low content of organic matter	0.13			Slope	0.63
		Too acid	0.54			Hard to reclaim	0.96
						Too acid	0.98
17D:							
Evard	75	Fair		Fair		Poor	
		Low content of organic matter	0.13	Slope	0.50	Slope	0.00
		Too acid	0.54			Hard to reclaim	0.96
						Too acid	0.98
17E:							
Evard	75	Fair		Poor		Poor	
		Low content of organic matter	0.13	Slope	0.00	Slope	0.00
		Too acid	0.54			Hard to reclaim	0.96
						Too acid	0.98
18B:							
Frederick	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.54	Too acid	0.98
		Too acid	0.54				
18C:							
Frederick	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.54	Slope	0.63
		Too acid	0.54			Too acid	0.98
18D:							
Frederick	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.50	Too Clayey	0.00
		Too acid	0.54	Shrink-swell	0.54	Too acid	0.98
19C:							
Frederick	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.54	Slope	0.63
		Too acid	0.54			Too acid	0.98
19D:							

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		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
19D:							
Frederick	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.50	Too Clayey	0.00
		Too acid	0.54	Shrink-swell	0.54	Too acid	0.98
19E:							
Frederick	80	Poor		Poor		Poor	
		Too clayey	0.00	Slope	0.00	Slope	0.00
		Low content of organic matter	0.13	Low strength	0.00	Too Clayey	0.00
		Too acid	0.54	Shrink-swell	0.54	Too acid	0.98
20C:							
Frederick	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.54	Slope	0.96
		Too acid	0.54			Too acid	0.98
20E:							
Frederick	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.00	Too Clayey	0.00
		Too acid	0.54	Shrink-swell	0.54	Too acid	0.98
21C:							
Frederick	45	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.54	Slope	0.96
		Too acid	0.54			Too acid	0.98
Urban land	35	Not Rated		Not Rated		Not Rated	
21D:							
Frederick	45	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.08	Too Clayey	0.00
		Too acid	0.54	Shrink-swell	0.54	Too acid	0.98
Urban land	35	Not Rated		Not Rated		Not Rated	
22C:							

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		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
22C:							
Gilpin	75	Fair		Poor		Fair	
		Low content of organic matter	0.13	Depth to bedrock	0.00	Depth to bedrock	0.54
		Droughty	0.36	Low strength	0.00	Too acid	0.60
		Too acid	0.50	Shrink-swell	0.99	Slope	0.63
22D:							
Gilpin	75	Fair		Poor		Poor	
		Low content of organic matter	0.13	Depth to bedrock	0.00	Slope	0.00
		Droughty	0.36	Low strength	0.00	Depth to bedrock	0.54
		Too acid	0.50	Slope	0.50	Too acid	0.60
23C:							
Grimsley	75	Fair		Fair		Poor	
		Low content of organic matter	0.13	Cobble content	0.04	Hard to reclaim	0.00
		Droughty	0.35	Depth to bedrock	0.58	Rock fragments	0.00
		Too acid	0.50	Stone content	0.82	Slope	0.63
24C:							
Groseclose	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.78	Too acid	0.60
		Too acid	0.50			Slope	0.63
24D:							
Groseclose	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.50	Too Clayey	0.00
		Too acid	0.50	Shrink-swell	0.78	Too acid	0.60
24E:							
Groseclose	75	Poor		Poor		Poor	
		Too clayey	0.00	Slope	0.00	Slope	0.00
		Low content of organic matter	0.13	Low strength	0.00	Too Clayey	0.00
		Too acid	0.50	Shrink-swell	0.78	Too acid	0.60
25C:							
Groseclose	45	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.78	Too acid	0.60
		Too acid	0.50			Rock fragments	0.88

Table ENG-2. - Construction Materials - Continued

Roanoke County and the Cities of Roanoke and Salem, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
25C:							
Litz	30	Fair		Poor		Poor	
		Droughty	0.02	Depth to bedrock	0.00	Rock fragments	0.00
		Low content of organic matter	0.13			Depth to bedrock	0.54
		Too acid	0.50			Too acid	0.88
25D:							
Groseclose	45	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.50	Too Clayey	0.00
		Too acid	0.50	Shrink-swell	0.78	Too acid	0.60
Litz	30	Fair		Poor		Poor	
		Droughty	0.02	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.50	Rock fragments	0.00
		Too acid	0.50			Depth to bedrock	0.54
25E:							
Groseclose	45	Poor		Poor		Poor	
		Too clayey	0.00	Slope	0.00	Slope	0.00
		Low content of organic matter	0.13	Low strength	0.00	Too Clayey	0.00
		Too acid	0.50	Shrink-swell	0.78	Too acid	0.60
Litz	30	Fair		Poor		Poor	
		Droughty	0.02	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.00	Rock fragments	0.00
		Too acid	0.50			Depth to bedrock	0.54
26B:							
Hayesville	80	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.90	Too Clayey	0.00
		Too acid	0.21			Too acid	0.76
		Low content of organic matter	0.88				
26C:							
Hayesville	75	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.90	Too Clayey	0.00
		Too acid	0.21			Slope	0.63
		Low content of organic matter	0.88			Too acid	0.76
26D:							

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Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
26D:							
Hayesville	75	Poor		Fair		Poor	
		Too clayey	0.00	Slope	0.50	Slope	0.00
		Too acid	0.21	Shrink-swell	0.90	Too Clayey	0.00
		Low content of organic matter	0.88			Too acid	0.76
27C:							
Hayesville	80	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.90	Too Clayey	0.00
		Too acid	0.21			Slope	0.63
		Low content of organic matter	0.88			Too acid	0.76
27D:							
Hayesville	75	Poor		Fair		Poor	
		Too clayey	0.00	Slope	0.50	Slope	0.00
		Too acid	0.21	Shrink-swell	0.90	Too Clayey	0.00
		Low content of organic matter	0.88			Too acid	0.76
28E:							
Hayesville	75	Poor		Poor		Poor	
		Too clayey	0.00	Slope	0.00	Slope	0.00
		Too acid	0.21	Shrink-swell	0.90	Too Clayey	0.00
		Low content of organic matter	0.88			Too acid	0.76
29C:							
Hayesville	45	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.90	Too Clayey	0.00
		Too acid	0.21			Too acid	0.76
		Low content of organic matter	0.88			Slope	0.84
Urban land	30	Not Rated		Not Rated		Not Rated	
29D:							
Hayesville	45	Poor		Fair		Poor	
		Too clayey	0.00	Slope	0.08	Slope	0.00
		Too acid	0.21	Shrink-swell	0.90	Too Clayey	0.00
		Low content of organic matter	0.88			Too acid	0.76
Urban land	30	Not Rated		Not Rated		Not Rated	
30C:							

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		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
30C: Laidig	75	Fair Droughty Low content of organic matter Too acid	 0.02 0.13 0.50	Poor Depth to cemented pan Shrink-swell	 0.00 0.99	Fair Too acid Slope Rock fragments	 0.60 0.63 0.68
30D: Laidig	75	Fair Droughty Low content of organic matter Too acid	 0.02 0.13 0.50	Poor Depth to cemented pan Slope Shrink-swell	 0.00 0.50 0.99	Poor Slope Too acid Rock fragments	 0.00 0.60 0.68
31D: Laidig	75	Fair Droughty Low content of organic matter Too acid	 0.02 0.13 0.50	Poor Depth to cemented pan Slope Shrink-swell	 0.00 0.50 0.99	Poor Slope Too acid Rock fragments	 0.00 0.60 0.68
32B: Macove	75	Fair Low content of organic matter Too acid	 0.13 0.54	Fair Cobble content	 0.76	Poor Hard to reclaim Rock fragments Too acid	 0.00 0.00 0.98
32C: Macove	75	Fair Low content of organic matter Too acid	 0.13 0.54	Fair Cobble content	 0.76	Poor Hard to reclaim Rock fragments Slope	 0.00 0.00 0.63
33E: Opequon	55	Poor Droughty Depth to bedrock Too clayey	 0.00 0.00 0.00	Poor Depth to bedrock Low strength Slope	 0.00 0.00 0.00	Poor Slope Depth to bedrock Too Clayey	 0.00 0.00 0.00
Rock outcrop	30	Not Rated		Not Rated		Not Rated	
34E: Peaks	75	Poor Droughty Low content of organic matter Depth to bedrock	 0.00 0.13 0.54	Poor Depth to bedrock Slope Cobble content	 0.00 0.00 0.97	Poor Slope Rock fragments Depth to bedrock	 0.00 0.00 0.54

34F:

Table ENG-2. - Construction Materials - Continued

Roanoke County and the Cities of Roanoke and Salem, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
34F:							
Peaks	75	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.00	Rock fragments	0.00
		Depth to bedrock	0.54	Cobble content	0.97	Depth to bedrock	0.54
35:							
Pits	85	Not Rated		Not Rated		Not Rated	
36A:							
Purdy	85	Poor		Poor		Poor	
		Too clayey	0.00	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Low content of organic matter	0.13	Low strength	0.00	Too Clayey	0.00
		Too acid	0.50	Shrink-swell	0.83	Too acid	0.60
37B:							
Sequoia	75	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Droughty	0.08	Low strength	0.00	Depth to bedrock	0.54
		Low content of organic matter	0.13	Shrink-swell	0.74	Rock fragments	0.88
37C:							
Sequoia	75	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Too Clayey	0.00
		Droughty	0.08	Low strength	0.00	Depth to bedrock	0.54
		Low content of organic matter	0.13	Shrink-swell	0.74	Slope	0.63
37D:							
Sequoia	75	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Slope	0.00
		Droughty	0.08	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Slope	0.50	Depth to bedrock	0.54
37E:							
Sequoia	75	Poor		Poor		Poor	
		Too clayey	0.00	Depth to bedrock	0.00	Slope	0.00
		Droughty	0.08	Slope	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Low strength	0.00	Depth to bedrock	0.54
38B:							
Shelocta	80	Fair		Poor		Fair	
		Too acid	0.32	Low strength	0.00	Too acid	0.88
				Depth to bedrock	0.00		
				Shrink-swell	0.99		

38C:

Table ENG-2. - Construction Materials - Continued

Roanoke County and the Cities of Roanoke and Salem, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
38C:							
Shelocta	80	Fair		Poor		Fair	
		Too acid	0.32	Low strength	0.00	Slope	0.63
				Depth to bedrock	0.00	Too acid	0.88
				Shrink-swell	0.99		
38D:							
Shelocta	80	Fair		Poor		Poor	
		Too acid	0.32	Low strength	0.00	Slope	0.00
				Depth to bedrock	0.00	Too acid	0.88
				Slope	0.50		
39B:							
Shottower	80	Fair		Fair		Fair	
		Low content of organic matter	0.13	Shrink-swell	0.77	Too acid	0.76
		Too acid	0.50	Low strength	>0.99		
39C:							
Shottower	80	Fair		Fair		Fair	
		Low content of organic matter	0.13	Shrink-swell	0.77	Slope	0.63
		Too acid	0.50	Low strength	>0.99	Too acid	0.76
40C:							
Shottower	80	Fair		Fair		Poor	
		Low content of organic matter	0.13	Shrink-swell	0.77	Rock fragments	0.00
		Too acid	0.50	Low strength	>0.99	Slope	0.63
						Too acid	0.76
40D:							
Shottower	80	Fair		Fair		Poor	
		Low content of organic matter	0.13	Slope	0.08	Slope	0.00
		Too acid	0.50	Shrink-swell	0.77	Rock fragments	0.00
				Low strength	>0.99	Too acid	0.76
41C:							
Shottower	40	Fair		Fair		Fair	
		Low content of organic matter	0.13	Shrink-swell	0.77	Slope	0.16
		Too acid	0.50	Low strength	>0.99	Too acid	0.76
Urban land	35	Not Rated		Not Rated		Not Rated	
41D:							
Shottower	40	Fair		Fair		Poor	
		Low content of organic matter	0.13	Slope	0.50	Slope	0.00
		Too acid	0.50	Shrink-swell	0.77	Too acid	0.76
				Low strength	>0.99		

Table ENG-2. - Construction Materials - Continued

Roanoke County and the Cities of Roanoke and Salem, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
41D: Urban land	35	Not Rated		Not Rated		Not Rated	
42A: Sindion	75	Good		Fair Depth to saturated zone No shrink-swell limitation	0.76 >0.99	Fair Depth to saturated zone Hard to reclaim	0.76 0.88
Clubcaf	5	Not Rated		Not Rated		Not Rated	
43A: Speedwell	75	Good		Good		Good	
Clubcaf	5	Not Rated		Not Rated		Not Rated	
44A: Speedwell	40	Good		Good		Good	
Urban land	35	Not Rated		Not Rated		Not Rated	
Clubcaf	5	Not Rated		Not Rated		Not Rated	
45C: Spessard	75	Poor Wind erosion Too sandy Droughty	0.00 0.25 0.43	Good		Fair Too sandy Slope Rock fragments	0.25 0.63 0.88
45D: Spessard	75	Poor Wind erosion Too sandy Droughty	0.00 0.25 0.43	Fair Slope	0.50	Poor Slope Too sandy Rock fragments	0.00 0.25 0.88
45E: Spessard	75	Poor Wind erosion Too sandy Droughty	0.00 0.25 0.43	Poor Slope	0.00	Poor Slope Too sandy Rock fragments	0.00 0.25 0.88
46E: Sylvatus	75	Poor Droughty Depth to bedrock Low content of organic matter	0.00 0.00 0.13	Poor Depth to bedrock Slope	0.00 0.00	Poor Slope Rock fragments Depth to bedrock	0.00 0.00 0.00
46F:							

Table ENG-2. - Construction Materials - Continued

Roanoke County and the Cities of Roanoke and Salem, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
46F: Sylvatus	75	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Slope	0.00	Rock fragments	0.00
		Low content of organic matter	0.13			Depth to bedrock	0.00
47B: Thurmont	80	Fair		Poor		Fair	
		Too acid	0.32	Low strength	0.00	Hard to reclaim	0.32
		Low content of organic matter	0.50	Shrink-swell	>0.99	Rock fragments	0.88
						Too acid	0.88
47C: Thurmont	80	Fair		Poor		Fair	
		Too acid	0.32	Low strength	0.00	Hard to reclaim	0.32
		Low content of organic matter	0.50	Shrink-swell	>0.99	Slope	0.63
						Rock fragments	0.88
48B: Timberville	80	Fair		Poor		Fair	
		Too acid	0.39	Low strength	0.00	Too acid	0.92
		Low content of organic matter	0.88	Shrink-swell	0.89		
49B: Tumbling	80	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.79	Too Clayey	0.00
		Low content of organic matter	0.13	Low strength	>0.99	Rock fragments	0.00
		Too acid	0.50			Hard to reclaim	0.88
49C: Tumbling	80	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.79	Too Clayey	0.00
		Low content of organic matter	0.13	Low strength	>0.99	Rock fragments	0.00
		Too acid	0.50			Slope	0.63
49D: Tumbling	80	Poor		Fair		Poor	
		Too clayey	0.00	Slope	0.50	Slope	0.00
		Low content of organic matter	0.13	Shrink-swell	0.79	Too Clayey	0.00
		Too acid	0.50	Low strength	>0.99	Rock fragments	0.00

50C:

Table ENG-2. - Construction Materials - Continued

Roanoke County and the Cities of Roanoke and Salem, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
50C:							
Tumbling	80	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.79	Too Clayey	0.00
		Low content of organic matter	0.13	Low strength	>0.99	Rock fragments	0.00
		Too acid	0.50			Slope	0.63
50D:							
Tumbling	80	Poor		Fair		Poor	
		Too clayey	0.00	Slope	0.50	Slope	0.00
		Low content of organic matter	0.13	Shrink-swell	0.79	Too Clayey	0.00
		Too acid	0.50	Low strength	>0.99	Rock fragments	0.00
50E:							
Tumbling	80	Poor		Poor		Poor	
		Too clayey	0.00	Slope	0.00	Slope	0.00
		Low content of organic matter	0.13	Shrink-swell	0.79	Too Clayey	0.00
		Too acid	0.50	Low strength	>0.99	Rock fragments	0.00
51C:							
Tumbling	40	Poor		Fair		Poor	
		Too clayey	0.00	Shrink-swell	0.79	Too Clayey	0.00
		Low content of organic matter	0.13	Low strength	>0.99	Rock fragments	0.00
		Too acid	0.50			Hard to reclaim	0.88
Urban land	35	Not Rated		Not Rated		Not Rated	
52:							
Udorthents	60	Not Rated		Not Rated		Not Rated	
Urban land	25	Not Rated		Not Rated		Not Rated	
53:							
Urban land	80	Not Rated		Not Rated		Not Rated	
Wet Spots	3	Not Rated		Not Rated		Not Rated	
54C:							
Weikert	45	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Rock fragments	0.00
		Depth to bedrock	0.00	No shrink-swell	>0.99	Depth to bedrock	0.00
		Low content of organic matter	0.13	limitation		Slope	0.63

Table ENG-2. - Construction Materials - Continued

Roanoke County and the Cities of Roanoke and Salem, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
54C:							
Berks	30	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Rock fragments	0.00
		Low content of organic matter	0.13			Depth to bedrock	0.54
		Too acid	0.50			Slope	0.63
54E:							
Weikert	45	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Slope	0.00	Rock fragments	0.00
		Low content of organic matter	0.13	No shrink-swell limitation	>0.99	Depth to bedrock	0.00
Berks	30	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.00	Rock fragments	0.00
		Too acid	0.50			Depth to bedrock	0.54
55F:							
Weikert	65	Poor		Poor		Poor	
		Droughty	0.00	Depth to bedrock	0.00	Slope	0.00
		Depth to bedrock	0.00	Slope	0.00	Rock fragments	0.00
		Low content of organic matter	0.13	No shrink-swell limitation	>0.99	Depth to bedrock	0.00
Rock outcrop	25	Not Rated		Not Rated		Not Rated	
56A:							
Wheeling	80	Fair		Good		Fair	
		Low content of organic matter	0.13			Rock fragments	0.88
		Too acid	0.74				
		Water erosion	0.99				
56B:							
Wheeling	80	Fair		Good		Fair	
		Low content of organic matter	0.13			Rock fragments	0.88
		Too acid	0.74				
		Water erosion	0.99				
57A:							
Wheeling	40	Fair		Good		Fair	
		Low content of organic matter	0.13			Rock fragments	0.88
		Too acid	0.74				
		Water erosion	0.99				
Urban land	25	Not Rated		Not Rated		Not Rated	

Table ENG-2. - Construction Materials - Continued

Roanoke County and the Cities of Roanoke and Salem, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
58B:							
Zoar	75	Poor		Fair		Poor	
		Too clayey	0.00	Depth to saturated	0.53	Too Clayey	0.00
		Low content of organic matter	0.13	zone		Depth to saturated	0.53
		Too acid	0.50	Shrink-swell	0.84	zone	
						Too acid	0.88
Purdy	5	Not Rated		Not Rated		Not Rated	
W:							
Water	100	Not Rated		Not Rated		Not Rated	